

SIMPLIFIES product development with quick and easy operation
IMPROVES product quality with cut accuracy

Applications

- Lateral Flow Tests
- Biosensors
- Dry Chemistry
- Custom applications

Accuracy & Repeatability

The CM5000 Guillotine Cutter is a robust cutter used in both R&D and production environments. Its user friendly design can make a few cuts for development work or perform at high speed manufacturing throughputs.

Friction feed mini rollers precisely guide materials to the cutting blade. Once in position, material is held in place then cut with a hardened and coated steel blade. The blade's design and material improves ejection of the cut strip and reduces glue build up. Cut width and quantities are programmed and saved via a hand held terminal.

For safety, an interlock device cuts power to the blade if the cover is opened. The blade assembly is designed to allow easy removal for cleaning without requiring recalibration.



Features/Benefits

- Cost efficient
- Minimal waste per card
- Handles a variety of products
- Minimizes de-lamination with a back-up cut feature
- Safety interlocking device
- Easy blade cleaning
- R&D to moderate production throughput
- Easy to set up, operate and maintain
- Programmable cut width and quantity
- Data storage to support multiple applications
- Systems can be upgraded after purchase*
- Compact footprint

System Options

- Leading edge sensor - detects front edge of material prior to cutting reducing waste & maximizing precision
- Target Sensor - detects a fiducial on the material to cut relative to target
- Anti-static - helps reduce static build up
- Reel Feed - feeds material in roll form
- Bottle collection - custom designed, counts and fills bottles directly

CM5000 Series

GENERAL SPECIFICATIONS

Accuracy of Cut Length

- ± 0.1 mm at 5.0 mm

Accuracy of Cut Width

- Std Dev < 0.05 mm

Cutting Speed

- < 240 maximum cuts/min

Cutting Width

- Minimum 3 mm

Leading Edge/Target Sensor Cut Length Precision

- Std Dev < 0.075 mm

Dimensions

- 41 cm x 43 cm x 23 cm

Weight

- 25 kg

Power Requirement

- 110/220 VAC; 50/60 Hz, 6A

Air Requirement (anti-static option)

- 60-125 psi

Materials

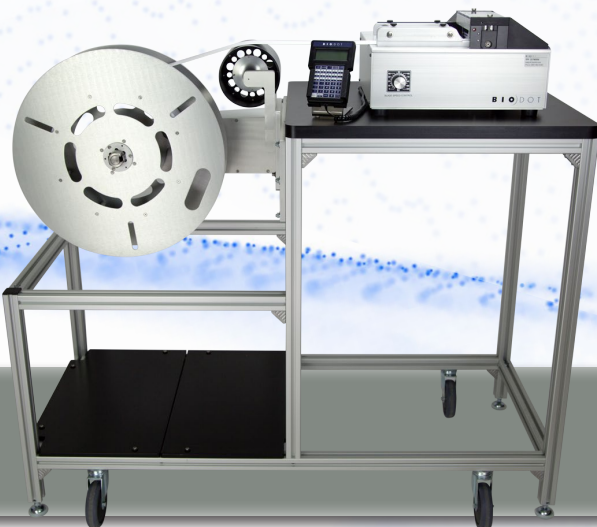
- Card width up to 100 mm
- Capstan to blade distance 20 m



Cutter with roll feed and bottle collection



Specifications subject to change without notice



Guillotine Cutting System for Test Strip Development and Manufacturing

For over 23 years, BioDot has been providing dispensing, laminating and cutting systems in the rapid test market. Our long-lasting relationships with customers are built on precision products and quality service around the world.



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CM5000 DS-07-10